

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS FILE ☒ WATER SANDS LOCATION INSPECTED SUB. REPORT/abd.DATE FILED 2-10-92
LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-26421 INDIAN

DRILLING APPROVED: 2-21-92 (CAUSE NO. 102-16B)

SPUDDED IN:

COMPLETED: 3-25-93 LA PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: LA'D Per BLM EFF. 3-25-93

FIELD: GREATER CISCO AREA

UNIT:

COUNTY: GRAND

WELL NO. BROADHEAD FEDERAL 6-4

API NO. 43-019-31329

LOCATION 1263' FNL FT. FROM (N) (S) LINE. 1779 FWL FT. FROM (E) (W) LINE. NE NW 1/4 - 1/4 SEC. 6

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
21S	24E	6	WALTER D. BROADHEAD				



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangert
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

May 25, 1990

The Times Independent
P. O. Box 129
Moab, Utah 84532

Gentlemen:

RE: Notice of Intention of Agency Action - Reference No. 31302

Enclosed is a Notice of Intention of Agency Action.

It is requested that this notice be published ONCE ONLY, as soon as possible. Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,


A handwritten signature in cursive script that reads "Lisha Romero".

Lisha Romero
Administrative Analyst

WE14/14
cc: R. J. Firth
Enclosure

Mailing List For Notice of Intention of Agency Action - Reference No. 31302

JoAnn Reed
1645 North 7th Street
Grand Junction, Colorado 81501



Lisha Romero
Administrative Analyst
May 25, 1990



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
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355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

May 25, 1990

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110

Gentlemen:

RE: Notice of Intention of Agency Action - Reference No. 31302

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Sincerely,

Lisha Romero
Administrative Analyst

WE14/15
cc: R. J. Firth
Enclosure

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE APPLICATION
OF WALTER D. BROADHEAD FOR
ADMINISTRATIVE APPROVAL OF AN
EXCEPTION TO THE LOCATING AND
SITING REQUIREMENTS OF THE
ORDER IN CAUSE NO. 102-16B FOR
THE PROPOSED FEDERAL 6-4 WELL
LOCATED IN SECTION 6, TOWNSHIP
21 SOUTH, RANGE 24 EAST, GRAND
COUNTY, UTAH

NOTICE OF INTENTION
OF AGENCY ACTION

REFERENCE NO. 31302

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED
MATTER.

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Walter D. Broadhead for administrative approval of an exception to the locating and siting requirements of the Order in Cause No. 102-16B dated November 15, 1979, for the Federal 6-4 well located in Section 6, Township 21 South, Range 24 East, Grand County, Utah. The proceeding will be conducted in accordance with the provisions of Rule R615-10, Administrative Procedures; Rule R615-3-3, Exception to Location and Siting of Wells; and with consideration of the Order in Cause No. 102-16B for the development of the Dakota, Morrison and Cedar Mountain formations. The order prescribes that all wells shall be located not less than 500 feet from any property or lease line and not less than 200 feet from the boundary of any legal subdivision comprising a governmental quarter-quarter section or equivalent lot or lots of comparable size and location, and not less than 400 feet from any oil well, or less than 1320 feet from any gas well, unless otherwise specifically authorized by the Board after notice of hearing.

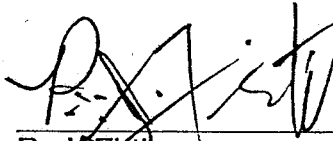
The applicant intends to drill the Federal 6-4 well to a proposed depth of 1,300 feet to test the Salt Wash formation. The well location, 1263 feet from the north line and 1779 feet from the west line of Section 6, Township 21 South, Range 24 East, Grand County, does not comply with the locating and siting requirements of the Order in Cause No. 102-16B with regard to a well being located 200 feet from the boundary of any legal subdivision comprising a governmental quarter-quarter section or equivalent lot or lots of comparable size and location.

Page 2
NOTICE OF INTENTION
OF AGENCY ACTION

Objections, if any, to the approval of the proposed exception, should be filed with the undersigned and state with particularity the reasons for the objection. In the absence of a written objection within fifteen days after publication of this notice from any person whose interests would be affected, the Division will issue an administrative approval of the requested exception.

DATED this 25th day of May, 1990.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

A handwritten signature in black ink, appearing to read 'R. J. Firth', is written over a horizontal line.

R. J. Firth
Associate Director, Oil & Gas

143 SOUTH MAIN ST.
P.O. BOX 45838
SALT LAKE CITY, UTAH 84111
FED. TAX I.D. # 87-0217663

Newspaper Agency Corporation
The Salt Lake Tribune (NA) DESERET NEWS

CUSTOMER'S
COPY

LEGAL ADVERTISING INVOICE

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	BILLING DATE
DIV. OF OIL, GAS/MINING ATTN: BARBARA L. DUMAS 355 W NO TEMPLE, #350 SALT LAKE CITY, UT 84180	LE-5385340	06/08/90
FOR BILLING INFORMATION CALL (801) 237-2822		

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF NOTICE OF INTENTION OF AGENCY ACTION REFERENCE DIV. OF OIL, GAS/MINING FOR DIV. OF OIL, GAS/MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON JUN 08 1990

SIGNATURE G. J. Anderson

DATE 06/08/90



NOTARY PUBLIC

G. J. ANDERSON
143 South Main
Salt Lake City Utah 84111
My Commission Expires
November 15 1993

STATE OF UTAH

NOTICE OF INTENTION OF AGENCY ACTION
REFERENCE NO. 34302
BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH
IN THE MATTER OF THE APPLICATION OF WALTER D. BROADHEAD
FOR ADMINISTRATIVE APPROVAL OF AN EXCEPTION TO THE LO-
CATING AND SITING REQUIREMENTS OF THE ORDER IN CAUSE NO.
102-168 FOR THE PROPOSED FEDERAL 6-4 WELL LOCATED IN SEC-
TION 6, TOWNSHIP 21 SOUTH, RANGE 24 EAST, GRAND COUNTY,
UTAH

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE
ENTITLED MATTER.

Notice is hereby given that the Division is commencing an
informal adjudicative proceeding to consider the application
of Walter D. Broadhead for administrative approval of an ex-
ception to the locating and siting requirements of the Order in
Cause No. 102-168 dated November 15, 1979, for the Federal 6-
4 well located in Section 6, Township 21 South, Range 24 East,
Grand County, Utah. The proceeding will be conducted in ac-
cordance with the provisions of Rule R615-10, Administrative
Procedures; Rules R615-3-3, Exception to Location and Siting of
Wells; and with consideration of the Order in Cause No. 102-168
for the development of the Dakota, Morrison and Cedar Moun-
tain formations. The order prescribes that all wells shall be lo-
cated not less than 500 feet from any property or lease line and not
less than 200 feet from the boundary of any legal subdivision
comprising a governmental quarter-quarter section or equiva-
lent lot or lots of comparable size and location, and not less
than 400 feet from any oil well, or less than 1320 feet from any
gas well, unless otherwise specifically authorized by the Board
after notice of hearing.

The applicant intends to drill the Federal 6-4 well to a pro-
posed depth of 1,300 feet to test the Salt Wash formation. The
well location, 1263 feet from the north line and 1779 feet from
the west line of Section 6, Township 21 South, Range 24 East,
Grand County, does not comply with the locating and siting
requirements of the Order in Cause No. 102-168 with regard to a
well being located 200 feet from the boundary of any legal
subdivision comprising a governmental quarter-quarter section
or equivalent lot or lots of comparable size and location.

Objections, if any, to the approval of the proposed excep-
tion, should be filed with the undersigned and state with particu-
larly the reasons for the objection. In the absence of a written
objection within fifteen days after publication of this notice from
any persons whose interests would be affected, the Division will
issue an administrative approval of the requested exception.

DATED this 25th day of May, 1990.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
/s/ R. J. Firth
Associate Director, Oil and Gas

65820100

ACCOUNT NAME		TELEPHONE	
		801-538-5340	
SCHEDULE		AD NUMBER	
		65820100	
CAPTION		MISC. CHARGES	
TICE OF INTENTION OF AGENCY ACTION REFERENCE		.00	
	TIMES	RATE	AD CHARGE
	1	3.12	162.24
IPT OF THIS INVOICE		TOTAL AMOUNT DUE	162.24

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ADV06-NT

AD NUMBER	BILLING DATE	PAY THIS AMOUNT
65820100	06/08/90	162.24

LEGAL ADVERTISING

ASE REMIT TO:

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P.O. BOX 45838
SALT LAKE CITY, UTAH 84145-0838

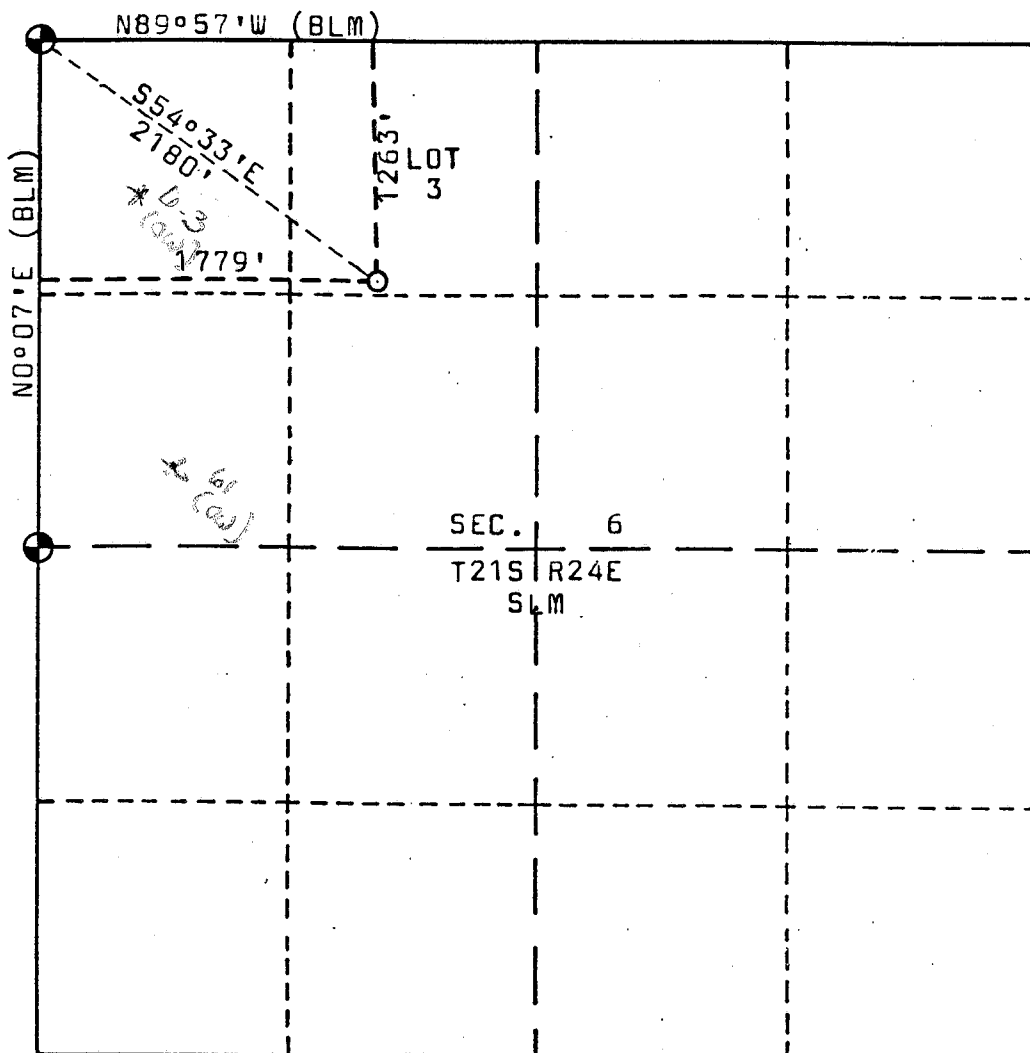
MAKE CHECKS PAYABLE TO:
NEWSPAPER AGENCY CORPORATION

DIV. OF OIL, GAS/MINING
ATTN: BARBARA L. DUMAS
355 W NO TEMPLE, #350
SALT LAKE CITY, UT 84180

07666570620100500000000000000016224187776817312116111111111111127335

***See Instructions On Reverse Side**

GLO BC
(1931)



BLM BC
(1964)

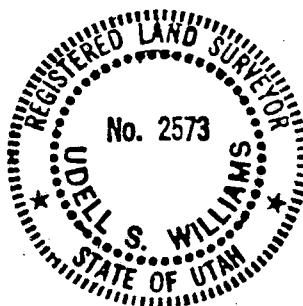
1000 0 1000
SCALE: 1" = 1000'

FEDERAL NO. 6-4

Located 1263 feet from the North line and 1779 feet
from the West line of Section 6, T21S, R24E, SLM.

Elev. 4429

Grand County, Utah



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED
FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR
UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE
AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

Udell S. Williams
Utah RLS No. 2573



UDELL S. WILLIAMS
751 Rood Avenue
Grand Junction, Colorado 81501

PLAT OF
PROPOSED LOCATION
FEDERAL NO. 6-4
LOT 3 SECTION 6
T21S, R24E, SLM

SURVEYED BY: USW DATE: 4/6/94
DRAWN BY: USW DATE: 4/6/94

BUREAU OF LAND MANAGEMENT
MOAB DISTRICT
CONDITIONS OF APPROVAL FOR PERMIT TO DRILL

Company Walter D. Broadhead Well No. Fed. 6-4
Location: Sec. 6 T. 21.S R. 24.E Lease No U-26421
Onsite Inspection Date 1-31-92

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

A. DRILLING PROGRAM

1. Surface Formation and Estimated Formation Tops:

<u>Mancos</u>	<u>0 to 810</u>	<u></u>
<u>Dakota</u>	<u>to 875</u>	<u></u>
<u>Brushy Basin</u>	<u>to 1175</u>	<u></u>
<u>Salt Wash</u>	<u>to 1280</u>	<u></u>
<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>

2. Estimated Depth at Which Oil, Gas, Water, or Mineral-Bearing Zones Are Expected to Be Encountered:

	<u>Formation</u>	<u>Depth</u>
Expected oil zones:	<u>Salt Wash</u>	<u></u>
Expected gas zones:	<u></u>	<u></u>
Expected water zones:	<u></u>	<u></u>
Expected mineral zones:	<u>None</u>	<u></u>
	<u></u>	<u></u>

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth, cased and cemented. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment:

See. Figure 1

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventors will be pressure-tested before drilling casing cement plugs. ~~The Resource Area will be notified _____ days in advance when pressure tests are to be conducted.~~

4. Casing Program and Auxiliary Equipment:

Surface 9-3/4" hole
Casing 7" to 150 ft.
Cement to surface
Drill 6-1/4" hole to T.D. Air Drill
Anticipated cements tops will be reported as to depth, not the expected number of sacks. The Resource Area (will ~~be~~) be notified _____ days in advance when running casing strings and cement.

5. Mud Program and Circulating Medium:

Gel mud with K CL. will be used to kill well
or drill if necessary
Blooe line will be misted to reduce fugitive dust when air drilling.

6. Coring, Logging, and Testing Program:

Drill with air and if any shows of oil or gas
is encountered will log

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cutting, fluids, and/or gases) will be submitted when requested by the Moab District Manager.

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards:

Past drilling in area does not show any abnormal
condition. No hydrogen sulfide gas expected.

8. Anticipated Starting Dates and Notification of Operations:

The operator will contact the Resource Area at 801-259-8197, ~~beginning any dirt work on this location.~~ 48 hours prior to beginning any dirt work on this location.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.

The spud date (will/~~will not~~) be reported orally to the Area Manager within a minimum of twenty-four (24) hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

- In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed directly with the BLM District Office, P.O. Box 970, Moab, Utah 84532.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.

If the replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations, verbal approval to bring on a replacement rig will be approved by the District Petroleum Engineer.

Should the well be successfully completed for production, the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) business days following the date on which the well is placed on production.

A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.

No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be

obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The marker will be constructed as follows: _____

The top of the marker will be closed or capped.

The following minimum information will be permanently placed on the marker plate, cap or beaded-on with a welding torch:

"Fed" or "Ind", as applicable, "Well Number, location by 1/4 1/4 section, township and range". "Lease Number".

Other: _____

B. THIRTEEN-POINT SURFACE USE PLAN

1. Existing Roads:

- a. Location of proposed well in relation to town or other reference point: three miles north of Cisco, Utah

See Plat 1

- b. Proposed route to location: The road going southwest from north side of the
last Cisco exit in Sec. 29. T20S. R24E.

- c. Plans for improvement and/or maintenance of existing roads: will use existing road as is while drilling this
well. If should be a producer the existing road
and new access will be constructed to the Bureau's
Class III standard.

- d. Other: _____
- _____
- _____

RAM BLOWOUT PREVENTERS FOR EVERY APPLICATION

There are four basic models of Shaffer ram blowout preventers:

SL Models. These Shaffer state-of-the-art ram preventers are designed for high pressure, critical service operations, deep land drilling and subsea service.

Sentinel Models. These lightweight, compact preventers are designed specifically for well servicing,

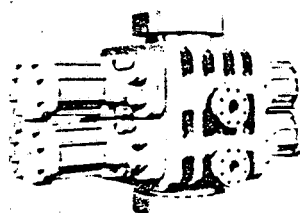
workover and low pressure drilling.

LWS Models. Perhaps the best known Shaffer ram preventers, these are ideal for smaller bore, lower working pressure applications.

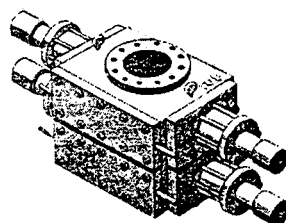
LWP Models. Also with a long standing reputation, these are designed for a number of low pressure operations in specific geographic areas.

RAM BOP SIZES AND MODELS									
Working Pressure (psi)	Bore (in.)								
	4 $\frac{1}{16}$	7 $\frac{1}{16}$	9	11	13 $\frac{1}{16}$	16 $\frac{1}{16}$	18 $\frac{1}{16}$	20 $\frac{1}{16}$	21 $\frac{1}{16}$
15,000									
10,000									
5,000									
3,000									
2,000									

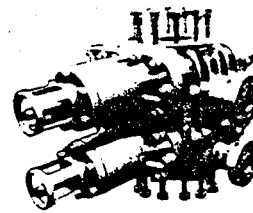
1 1/16" - 3000 #
W.P.



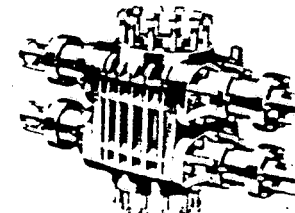
Model SL BOP



Sentinel BOP



Model LWS BOP



Model LWP BOP

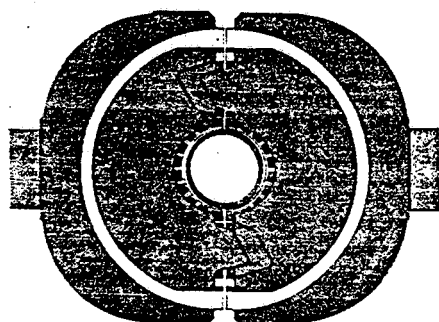
NEW SHAFFER MULTI-RAMS CAN REDUCE STACK HEIGHT

One set of *Multi-Ram* blocks closes to seal on pipe sizes ranging from 3 $\frac{1}{2}$ " to 5" O.D. Rams need not be changed, then, when running a tapered drill string within this range. In many cases, it also is not necessary to add another ram BOP to the stack to accommodate drill string O.D. changes.

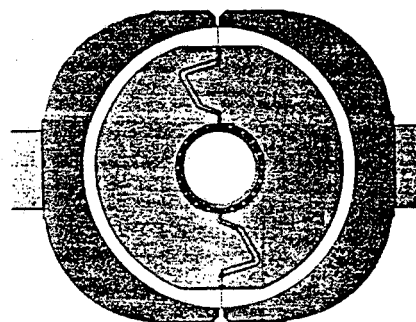
The Shaffer *Multi-Ram*, can replace one of the larger pipe rams and the small pipe ram—thus reducing the stack to three ram BOPs and one annular BOP. The

major advantages are cost savings and the reduction of stack height—especially important in view of height limitations on offshore structures.

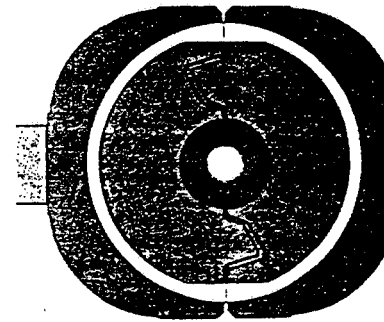
The *Multi-Ram* meets the USGS requirements for sealing capabilities around tapered drill string. A Shaffer ram BOP equipped with *Multi-Ram* blocks counts as 1 ram BOPs—even though it is only one. The *Multi-Ram* can seal off on both the larger and the smaller drill strings. U.S. patents numbers 4,332,367 and 4,770,3



Closing



Closed on 5-Inch Pipe



Closed on 3 $\frac{1}{2}$ -Inch Pipe

BUREAU OF LAND MANAGEMENT
MOAB DISTRICT
CONDITIONS OF APPROVAL FOR PERMIT TO DRILL

Company Walter D. Broadhead Well No. Fed 6-4
Location: Sec. 6 T. 21S R. 24E Lease No U-26421
Onsite Inspection Date _____

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

B. THIRTEEN-POINT SURFACE USE PLAN

1. Existing Roads:

- a. Location of proposed well in relation to town or other reference point:
Three miles North of Cisco
- b. Proposed route to location:
The road going southwest from the north side of the last
Cisco exit in sec. 29, T20S, R24E.
- c. Plans for improvement and/or maintenance of existing roads:
None prior th drilling, if producer, maintained to Resource
road specifications.

2. Planned Access Roads:

- a. The maximum total disturbed width will be 18 feet.
- b. Maximum grades:
0 to 6 percent
- g. Other: New construction will be about 1/4 mile.

Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area Manager in advance.

The access road will be rehabilitated or brought to Resource (Class III) Road Standards within sixty (60) days of dismantling of the drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

3. Location of Existing Wells:

Broadhead 6-1

Broadhead 6-3

4. Location of Tank Batteries and Production Facilities:

All permanent (onsite for six (6) months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earth tone color to match the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six (6) months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows:

Desert Brown (10YR)

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.

All loading lines and valves will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations and OUGO 3 will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occurring on the pad. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. Location and Type of Water Supply:

All water needed for drilling purposes will be obtained from:
Colorado River

Water obtained on private land, or land administered by another agency, will require approval from the owner or agency for use of the land.

6. Source of Construction Material:

Pad construction material will be obtained onsite.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3. Source of construction material will be located on lease.

7. Methods of Handling Water Disposal:

The reserve pit will not be lined.

Three sides of the reserve pit will be fenced with three strand Barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

All trash must be contained and disposed of by: trash cage

Produced waste water will be confined to a unlined pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

8. Ancillary Facilities:

Camp facilities will not be required.

9. Well Site Layout:

The reserve pit will be located on the northwest edge.
The top six inches of soil material will be removed from the location and windrowed separately.

10. Plans for Restoration of Surface:

Immediately upon completion of drilling, the location, and surrounding areas will be cleared of all remaining debris, materials, trash, and junk not required for production.

Before any dirt work to restore the location and surrounding area will be cleared of all remaining debris, materials, trash and junk not required for production.

The operator or his contractor will notify the Grand Resource Area at 801-259-8193 forty-eight (48) hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.

All disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

The surface will be roughened by use of a disc plow or other piece of equipment that will leave rills and valleys or pits.

Seed will be broadcast or drilled at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

The following seed mixture will be used:

Indian ricegrass

Western Wheatgrass

Streambank wheatgrass or thickspike wheatgrass

Barley (local)

mat saltbush

Shadscale

Note: This is subject to change depending upon the circumstances.

The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed.

11. Surface and Mineral Ownership:
Federal surface and minerals

12. Other Information:

Vegetation is sparse and includes mat saltbush, nuttall saltbush, and Indian ricegrass; sheep, cattle, and antelope use the area.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

A cultural resource clearance will not be required before any construction begins. If any cultural resources area found during construction, all work will stop and the Area Manager will be notified.

This permit will be valid for a period of one (1) year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

13. Leessee's Operator's Representative and Certification

Representative:

Name: Walter D Broadhead

Address: 1645 N. 7th Grand Junction Co. 8150

Phone No: 303-242-7717

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed

by: _____ and its
contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Jan. 30, 1992

Date

Walter D. Broadhead, Operator

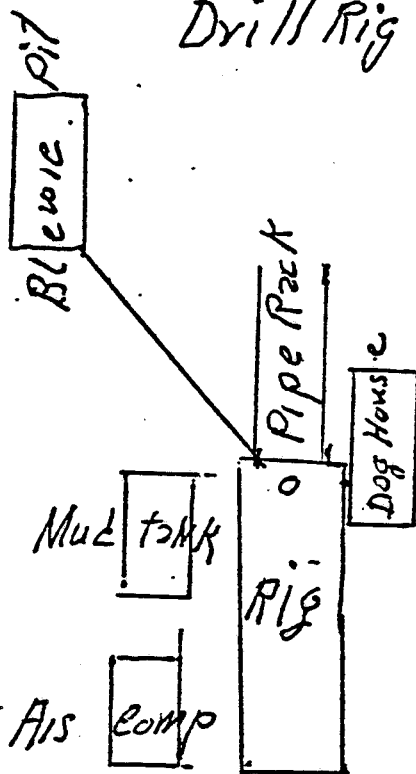
Name & Title

Walter D Broadhead

East

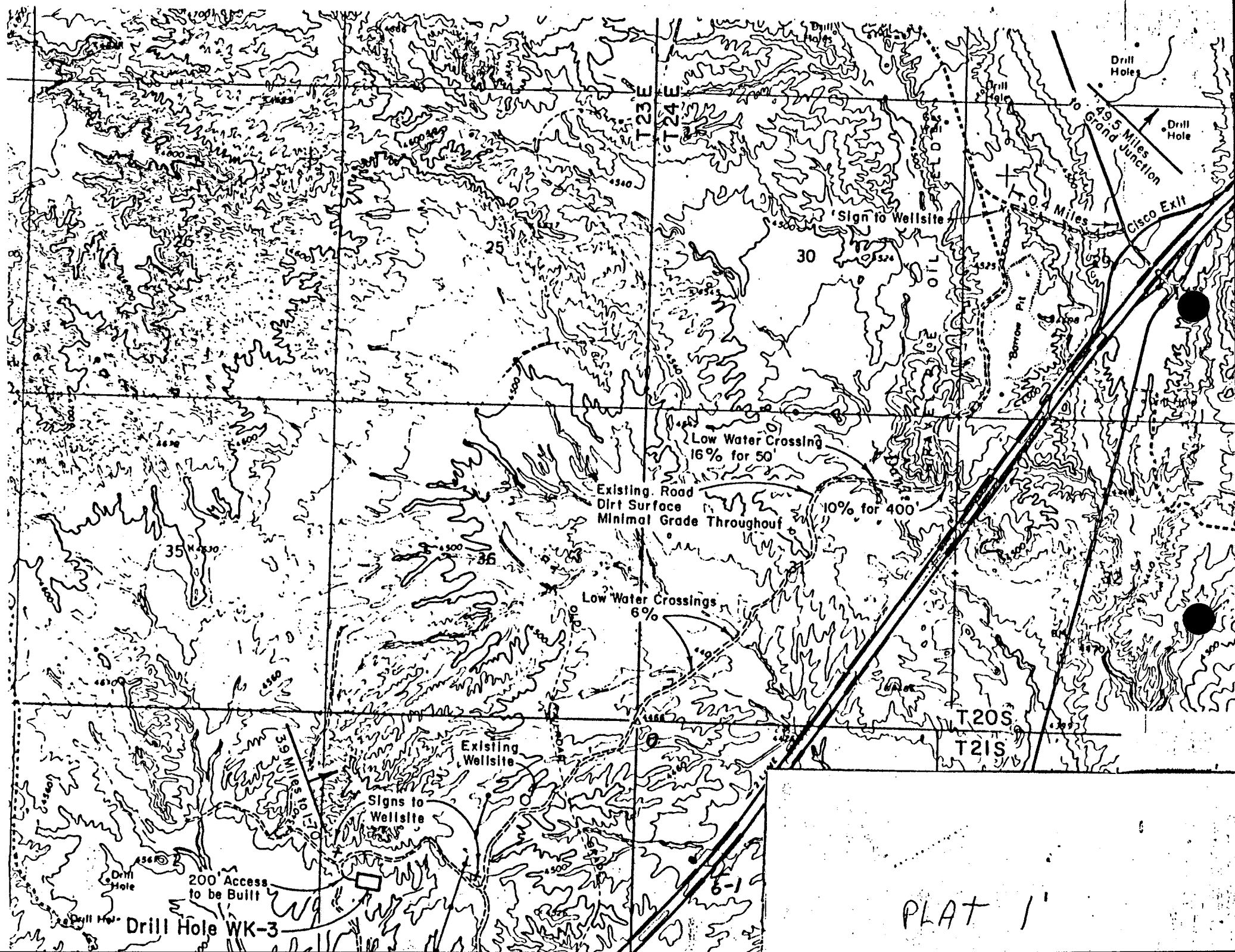


Drill Rig Layout

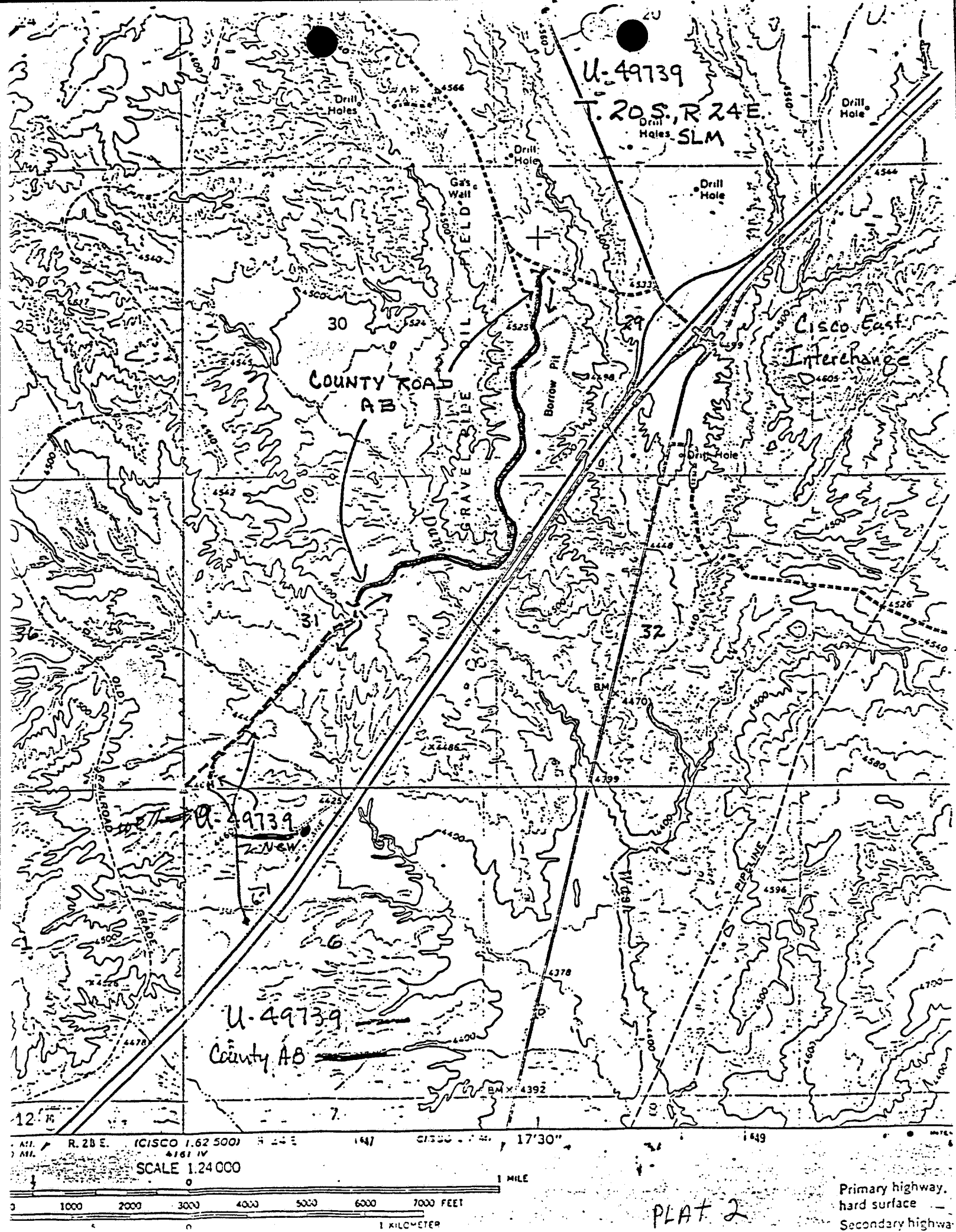


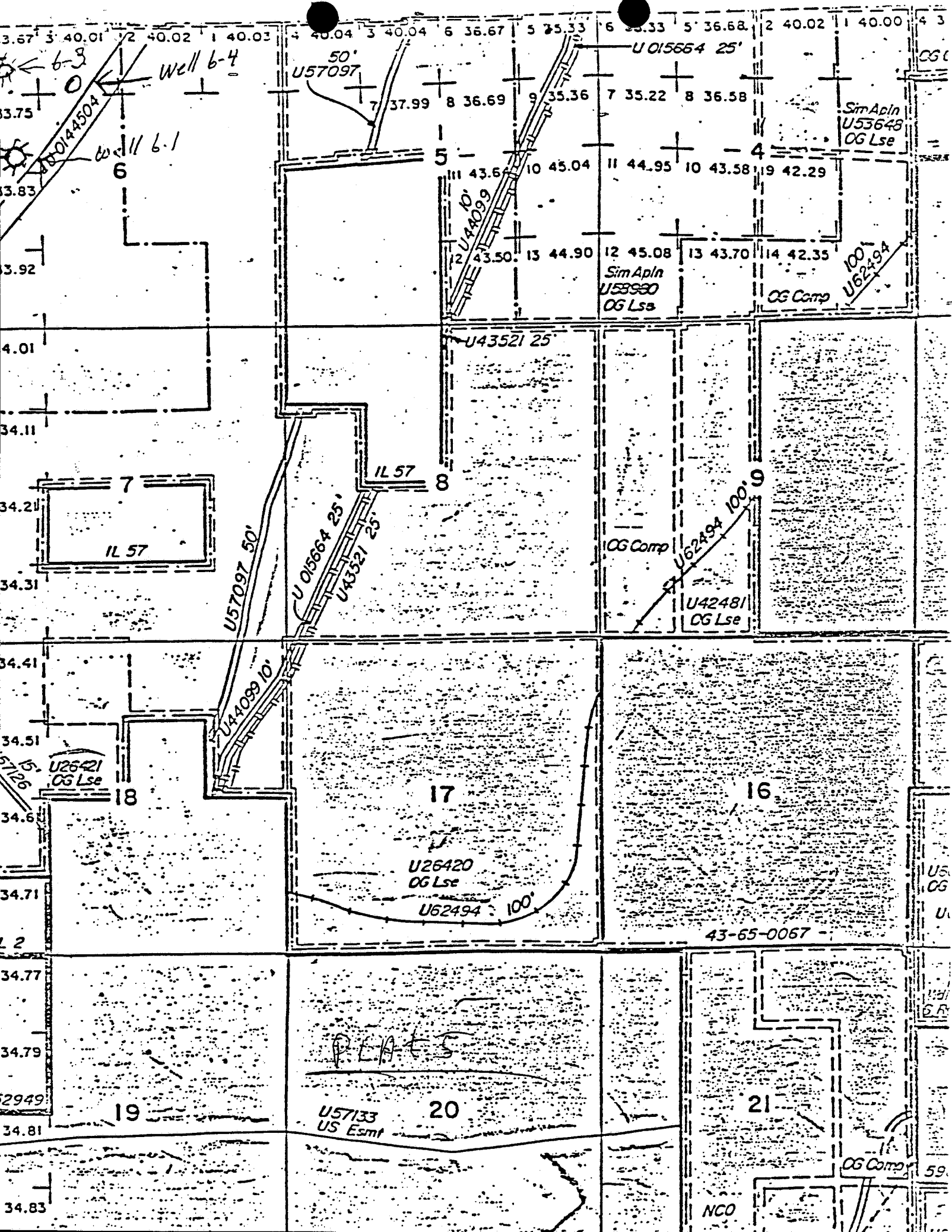
North

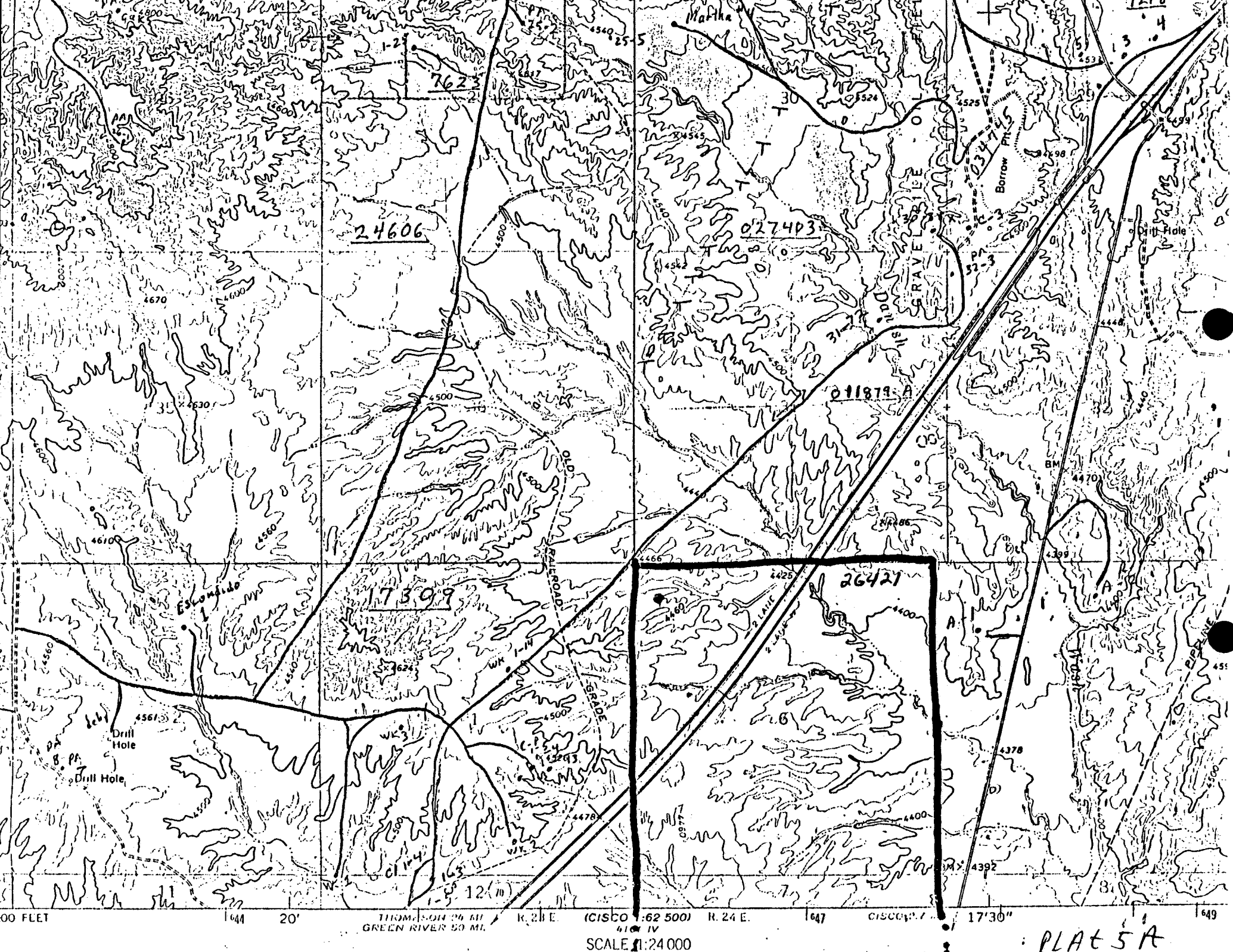
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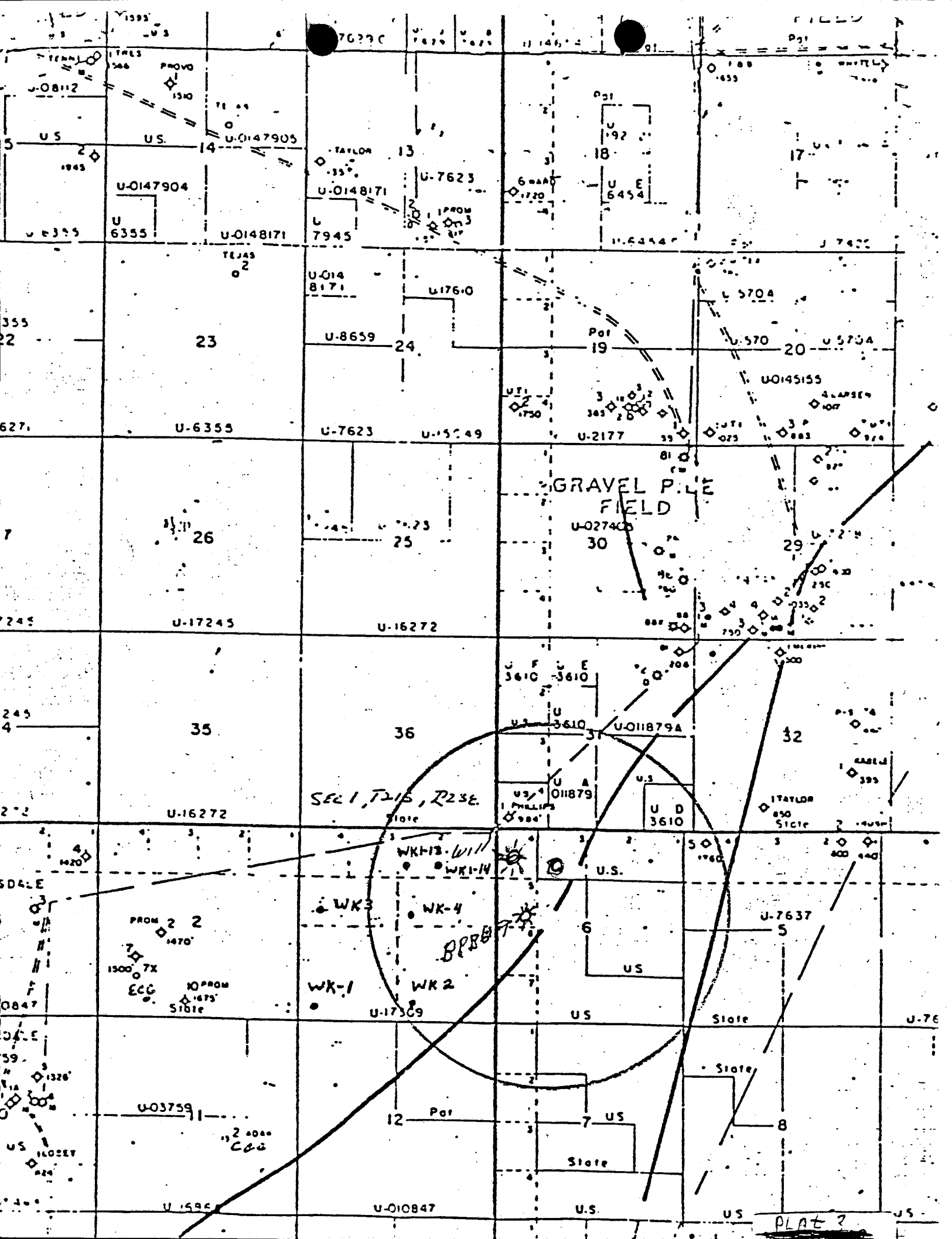


PLAT 1'









OPERATOR Walter Broadhead N-1130 DATE 11-11-90
WELL NAME Broadhead Federal 6-4
SEC 16N W 10 T 01S R 04E COUNTY Grand

13-019-313019
API NUMBER

Federal (1)
TYPE OF LEASE

CHECK OFF:

<input checked="" type="checkbox"/> PLAT.	<input checked="" type="checkbox"/> BOND	<input checked="" type="checkbox"/> NEAREST WELL
<input checked="" type="checkbox"/> LEASE	<input checked="" type="checkbox"/> FIELD SLOM	<input checked="" type="checkbox"/> POTASH OR OIL SHALE

PROCESSING COMMENTS:

Notice sent 5-25-90 on previous N/A'd well:
Water Permit obtaining from the Colorado Rules
Reference No - 313000

APPROVAL LETTER:

SPACING: ☐ R615-2-3 N/A ☐ R615-3-2
UNIT
☒ 100-16B 11-15-79 ☐ R615-3-3
CAUSE NO. & DATE

STIPULATIONS:

FOR THE BOARD OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
IN AND FOR THE STATE OF UTAH

IN THE MATTER OF ADOPTING AMEND-
MENTS TO FIELD RULE 1-2 AND 2-2,
CAUSE NO. 2, NO. 102-5, AND NO.
102-16, WHICH RULES ESTABLISHED
WILDCAT WELL SPACING FOR THE
SEIBER-CISCO NOSE AREA, GRAND
COUNTY, UTAH

FINDINGS AND ORDER

✓ CAUSE NO. 102-16B

This cause came on for hearing before the Board of Oil, Gas and Mining at 10:00 a.m. on Wednesday, ✓ September 26, 1979, in the executive Conference Room, Holiday Inn, 1659 West North Temple, Salt Lake City, Utah.

The following Board Members were present:

Charles R. Henderson, Chairman
John L. Bell, Member
Edward T. Beck, Member
Thadis W. Box, Member
Constance K. Lundberg, Member
C. Ray Juvelin, Member
E. Steele McIntyre, Member

Appearances were made as follows:

James Bowers
Damon Gilland
Dean Christensen
Don Quigley

NOW, THEREFORE, the Board having heard the testimony of the witnesses and having considered the evidence and being advised in the premises, now makes and orders the following:

FINDINGS

1. That due and regular notice of the time, place and purpose of the hearing was given to all interested parties in the form and manner and within the time required by law.
2. That the Board has jurisdiction over the matter covered by said application and over all parties interested therein and has jurisdiction to make and promulgate the order hereinafter set forth.
3. That the ✓ Dakota, Morrison and Cedar Mountain Formations underly the area under consideration.
4. That the sands of the Dakota, Morrison and Cedar Mountain Formations are lenticular in nature.

5. That most, if not all, of the operators in the area are of the opinion that it is not economically feasible to drill wells on the 40 acre or 640 acre wildcat spacing pattern as provided for in Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

6. That there is unanimity among the operators with respect to the suggested amendments to Field Rule 2-2.

IT IS THEREFORE ORDERED:

ORDER

1. That the Board's order in Cause No. 2, Cause No. 102-5, and Cause No. 102-16 is hereby revised as follows:

Field Rule 1-2 reads:

The spacing of all wells drilled for oil or gas which are within the following described area--to wit:

Township 18 South, Range 25 East
Sec: 25 through 36

Township 18 South, Range 26 East
Sec: 29 through 32

Township 19 South, Range 23 East
Sec: 19 through 36

Township 19 South, Range 24 East
Sec: All

Township 19 South, Range 25 East
Sec: All

Township 19 South, Range 26 East
Sec: 5 through 8

Township 20 South, Range 21 East
Sec: All

Township 20 South, Range 22 East
Sec: All

Township 20 South, Range 23 East
Sec: All

Township 20 South, Range 24 East
Sec: All

Township 20 South, Range 25 East
Sec: All

Township 21 South, Range 22 East
Sec: 1 through 12

Township 21 South, Range 23 East
Sec: All

Township 21 South, Range 24 East
Sec: All

and are not within 660 feet for which drilling units have been established shall be governed by Field Rule 2-2.

✓ Field Rule 2-2 is amended to read:

"All wells drilled for the discovery of oil and/or gas which are not within a pool, reservoir, or field for which drilling units have been established or for which a petition for establishment of a drilling unit has been filed, shall be located not less than 500 feet from any property or lease line and not less than 200 feet from the boundary of any legal subdivision comprising a governmental quarter-quarter section or equivalent lot or lots of comparable size and location, and not less than 400 feet from any oil well, or less than 1320 feet from any gas well, unless otherwise specifically authorized by the Board after notice of hearing.

Whenever an exception is granted by the Board, the Board may, at any time thereafter, take such action as will offset any advantage which the person securing the exception may obtain over the other producers in the area covered by Field Rule 1-2."

✓ All previously drilled wells and all wells drilled in the future which:

a. are less than 660 feet from the lease or property line and are classified as gas wells or

b. are less than 200 feet from the lease or property line and are classified as oil wells

may be offset, the same distance from the property line, or a drilling unit may be established for said well if the Board of Oil, Gas and Mining, finds, after notice and a hearing that correlative rights are being violated.


* All notices of Intention of Drill must be accompanied by a plat on which is outlined the acreage covered by the lease on which the well is to be drilled.

- ✓ Rule 1-2 and Rule 2-2 are only applicable to wells drilled or to be drilled to a depth of 3500 feet or less.

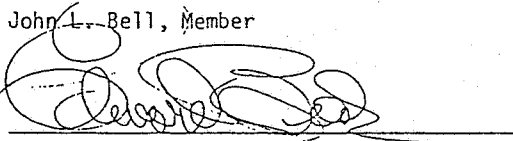
2. That the board retains continuing jurisdiction over all matters covered by this order and particularly to make further orders as may be necessary under conditions and circumstances developed in the future.

ENTERED this 15th day of November, 1979.

STATE OF UTAH
BOARD OF OIL, GAS AND MINING


Charles R. Henderson, Chairman

John L. Bell, Member


Edward T. Beck, Member



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

February 21, 1992

Walter D. Broadhead
1645 North 7th Street
Grand Junction, Colorado 81501

Gentlemen:

Re: Broadhead Federal 6-4 Well, 1263 feet from the north line, 1779 feet from the west line, NE 1/4 NW 1/4, Section 6, Township 21 South, Range 24 East, Grand County, Utah

Pursuant to Utah Code Ann. § 40-6-6, (1953, as amended) and the order issued by the Board of Oil, Gas and Mining in Cause No. 102-16B dated November 15, 1979, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq. (formerly R. 615-1 et seq.), Oil and Gas Conservation General Rules.
2. Notification within 24 hours after drilling operations commence.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.

Page 2
Walter D. Broadhead
Broadhead Federal 6-4
February 21, 1992

6. Compliance with the requirements of Utah Admin. R. 649-3-20 (formerly R. 615-3-20), Gas Flaring or Venting, if the well is completed for production.

Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site should be submitted to the local health department. These drilling operations and any subsequent well operations should be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Department of Environmental Quality, Division of Drinking Water/Sanitation, telephone (801)538-6159.

This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-019-31329.

Sincerely,



R.J. Firth

Associate Director, Oil and Gas

ots
Enclosures
cc: Bureau of Land Management
J.L. Thompson
WO11

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(See instructions on
reverse side)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. U 26421	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Walter D. Broadhead			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 1645 North 7th St. Grand Junction, Colo. 81501			8. FARM OR LEASE NAME Broadhead	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1263 FNL 1779 FWL At proposed prod. zone NE/NW 43-019-31329			9. WELL NO. Fed. 6-4	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 3 miles North of Cisco, Utah			10. FIELD AND POOL, OR WILDCAT Greater Cisco Area	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)		16. NO. OF ACRES IN LEASE 1,975.40	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 6 T21S. R24E.	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		19. PROPOSED DEPTH 1,300 ft.	12. COUNTY OR PARISH Grand	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4429 gr.		17. NO. OF ACRES ASSIGNED TO THIS WELL 20. ROTARY OR CABLE TOOLS Rotary		
		13. STATE Utah		
		22. APPROX. DATE WORK WILL START*		

RECEIVED

MAR 09 1992

DIVISION OF
OIL GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Walter D. Broadhead TITLE Operator DATE Jan. 30, 1992
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY /S/ WILLIAM C. STRINGER TITLE Assistant District Manager for Minerals DATE MAR 5 1992
CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
Date 1/1/90

*See Instructions On Reverse Side

GLO BC
(1931)

N89°57'W (BLM)

N0°07'E (BLM)

S54°33'E
2180'

1263'

LOT
3

1779'

BLM BC
(1964)

SEC. 6
T21S R24E
SLM



1000 0 1000

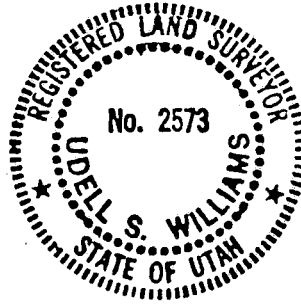
SCALE: 1" = 1000'

FEDERAL NO. 6-4

Located 1263 feet from the North line and 1779 feet
from the West line of Section 6, T21S, R24E, SLM.

Elev. 4429

Grand County, Utah



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED
FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR
UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE
AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

Udell S. Williams
Utah RLS No. 2573



UDELL S. WILLIAMS
751 Rood Avenue
Grand Junction, Colorado 81501

PLAT OF
PROPOSED LOCATION
FEDERAL NO. 6-4
LOT 3 SECTION 6
T21S, R24E, SLM

SURVEYED BY: USW DATE: 4/1/91
DRAWN BY: USW DATE: 4/5/91

Walter Broadhead
Well No. Federal 6-4
NENW Sec. 6, T. 21 S., R. 24 E.
Grand County, Utah
Lease U-26241

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Walter Broadhead is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by bond no. UT0647 (Principal - Joe Anne Reed with Walter D. Broadhead as co-principal) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of one year from the date of approval. A one-time, 90 day extension of this period may be granted. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to field representatives to insure compliance.

A. DRILLING PROGRAM

1. There will be no deviation from the proposed drilling and/or workover program without prior approval from the Assistant District Manager. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2. Safe drilling and operating practices must be observed.

2. Daily drilling and completion progress reports shall be submitted to the District office on a weekly basis.

3. No trivalent or hexavalent chromate additives shall be used in the mud system. Due to potential for contamination of usable quality water aquifers, chromates are banned from Federal leases.

4. The BOP system must be designed for 2000 psi (2M) or greater and must be consistent with API RP 53 and Onshore Oil and Gas Order No. 2. Although a 3M system was proposed in the APD, appropriate testing for a 2M system is acceptable. Pressure tests of the surface casing and all BOP equipment potentially subject to pressure will be conducted before drilling the surface casing shoe. Blowout preventer controls will be installed prior to drilling the surface casing shoe and will remain in use until the well is completed or abandoned. Ram preventers shall be inspected and operated each trip (no more than once a day is necessary). These inspections shall be recorded on the daily drilling report.

5. Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Authorized Officer. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

6. Should the well become productive, the BLM, District Office must be notified no later than five business days after production begins. Notification shall be by letter or sundry notice, or orally to be followed by a letter or sundry notice.

7. Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 Mmcf following its completion, whichever comes first, without prior written approval of the Authorized Officer.

8. Surface casing shall be equipped with a centralizer on each of the bottom three joints, and shall be cemented to the surface.

9. Cement behind the production casing must be brought up to at least 100 feet above the top of the highest zone with hydrocarbon shows.

B. SURFACE USE PLAN

1. The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.

2. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.6.

3. A cultural resource clearance will be required before any construction begins. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five (5) working days, the AO will inform the operator as to:

- whether the materials appear eligible for the National Register of Historic Places;
- the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and,
- a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, the operator will then be allowed to resume construction.

4. The reserve pit shall be located in cut material, with at least 50% of the pit volume being below original ground level. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. As soon as the reserve pit has dried all areas not needed for production will be rehabilitated.

5. Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed must be approved by the Area Manager in advance.

6. Trash must be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations.

7. If the well is productive, cattle guards will be installed on the access road at fence crossings. The access road will be rehabilitated or brought to Resource (Class III) Road Standards within sixty (60) days of dismantling the drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

8. If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 150% of the storage capacity of the largest tank in the battery. All loading lines and valves will be placed inside the berm surrounding the tank battery.

9. All permanent (on-site for six (6) months or longer) structures constructed or installed (including oil well pumping units) shall be painted a flat, nonreflective, earth tone color to blend with the local environment, as determined by the Rocky Mountain Five-State Interagency Committee. All facilities shall be painted within six (6) months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors shall be coordinated with the Grand Resource Area office prior to initiating painting.

10. All off-lease storage, off-lease measurement, or commingling (on-lease or off-lease) shall have prior written approval from the Assistant District Manager.

11. Pipeline construction activity is not authorized under this permit.

12. Copies of all water analysis required by the State of Utah in relation to surface discharge of produced water will be submitted to the Moab District Office, Bureau of Land Management.

13. Produced waste water will be confined to an unlined pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the Assistant District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

14. If at any time the facilities located on public land authorized by the terms of the lease are no longer included in the lease (due to contraction in the unit or other lease or unit boundary change) the BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental, or other financial obligation determined by the authorized officer (AO).

15. When the well is abandoned, the abandonment marker must be at least four feet above restored ground level and must be inscribed with the following: operator name, lease number, well name and surveyed description (township, range, section and either quarter-quarter or footages).

C. REQUIRED NOTIFICATIONS AND APPROVALS

Required verbal notifications are summarized in Table 1, attached.

Spud- Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District office within twenty-four (24) hours after spudding (regardless of whether spud was made with a dry hole digger or big rig). If the spudding occurs on a weekend or holiday, the written report will be submitted on the following work day.

Undesirable Events/Immediate Reports- Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the Resource Area in accordance with requirements of NTL-3A.

Cultural Resources- If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the Area Manager is to be notified.

First Production- Should the well be successfully completed for production, the Assistant District Manager, Minerals Division will be notified when the well is placed in producing status. Such notification may be made by phone, but must be followed by a sundry notice or letter not later than five (5) business days following the date on which the well is placed on production.

A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.

Well Completion Report- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and /or gas) will be submitted when requested by the Assistant District Manager.

Plugging and Abandonment- If the well is completed as a dry hole, plugging instructions must be obtained from the BLM, Moab District Office prior to initiating plugging operations. Table 1 of this document provides the after-hours phone numbers of personnel who are authorized to give plugging instructions.

A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the Assistant District Manager, Minerals Division within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

Venting/Flaring of Gas- NTL-4A allows venting/flaring of gas during the initial well evaluation period not to exceed 30 days or 50 Mmcf. Venting/flaring beyond the initial test period threshold must be approved by the District Office.

TABLE 1

NOTIFICATIONS

Notify Rich McClure or Jack Johnson of the Grand Resource Area, at (801) 259-8193 for the following:

2 days prior to commencement of dirt work, construction or reclamation;

1 day prior to spudding;

50 feet prior to reaching surface and intermediate casing depths;

3 hours prior to testing BOPE;

If the person at the above number cannot be reached, notify Fred Oneyear in the Moab District Office at (801) 259-6111 or at home at (801) 259-5937. If unsuccessful, notify one of the people listed below.

Well abandonment operations require 24 hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained by calling the Moab District Office, Branch of Fluid Minerals at (801) 259-6111. If approval is needed after work hours, you may contact the following:

Dale Manchester, Petroleum Engineer	Office: (801) 259-6111
	Home: (801) 259-6239

Eric Jones, Petroleum Engineer	Office: (801) 259-6111
	Home: (801) 259-2214

If unable to reach the above individuals, please call the following:

Lynn Jackson,	Office: (801) 259-6111
Chief, Branch of Fluid Minerals	Home: (801) 259-7990

RECEIVED

MAR 24 1993

**DIVISION OF
OIL GAS & MINING**

Moab District
P. O. Box 970
Moab, Utah 84532

3162
(U-26421)
(UT-065)

Mr. Walter D. Broadhead
1645 North 7th Street
Grand Junction, Colorado 81501

MAR 22 1993

Re: Rescinding Application for Permit to Drill
Well No. Federal 6-4
NENW Sec. 6, T. 21 S., R. 24 E. 43-019-31329
Grand County, Utah
Lease U-26421

Dear Mr. Broadhead:

The Application for Permit to Drill the referenced well was approved on March 5, 1992. Since that date, no known activity has transpired at the approved location.

Applications for permit to drill are effective for a period of one year. In view of the foregoing, this office is rescinding the approval of the referenced application.

Should you intend to drill at this location at a future date, a new application for permit to drill must be submitted.

If you have any questions, please contact Verlene Butts, Branch of Fluid Minerals at (801) 259-6111.

Sincerely,

/S/ WILLIAM C. STRINGER

Assistant District Manager
Mineral Resources

Enclosure

Application for Permit to Drill

cc: UT-068, Grand Resource Area (wo/Enclosure)
State of Utah
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203 (wo/Enclosure)✓

VButts:vb:3/19/93



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

March 25, 1993

Mr. Walter D. Broadhead
1645 North 7th Street
Grand Junction, Colorado 81501

Dear Mr. Broadhead:

Re: Well No. Broadhead Fed. 6-4, Sec. 6, T. 21S, R. 24E, Grand County, Utah
API No. 43-019-31329

In concert with action taken by the U.S. Bureau of Land Management, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,

Don Staley
Administrative Manager
Oil and Gas

DME/lde

cc: R.J. Firth
Bureau of Land Management - Moab
Well file

WOI196